

024455pcus\_ST25 (2).txt  
SEQUENCE LISTING

<110> Shanghai Genomics, Inc.

<120> TUMOR TAG AND THE USE THEREOF

<130> 186353/US

<140> 10/527,257

<141> 2005-03-09

<150> PCT/CN2002/000631

<151> 2002-09-09

<160> 12

<170> PatentIn version 3.4

<210> 1

<211> 720

<212> DNA

<213> Homo sapiens

<220>

<221> CDS

<222> (1)..(639)

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Met Ala Ala Ala Ala Ser Pro Ala Phe Leu Leu Arg Leu Pro Leu Leu  
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48

ctc ctg ctg tcc agc tgg tgc agg acc ggg ctg gcc gac cct cac tct  
Leu Leu Leu Ser Ser Trp Cys Arg Thr Gly Leu Ala Asp Pro His Ser  
20 25 30

96

ctt tgc tat gac atc acc gtc atc cct aag ttc aga cct gga cca cgg  
Leu Cys Tyr Asp Ile Thr Val Ile Pro Lys Phe Arg Pro Gly Pro Arg  
35 40 45

144

tgg tgt gcg gtt caa ggc cag gtg gat gaa aag act ttt ctt cac tat  
Trp Cys Ala Val Gln Gly Gln Val Asp Glu Lys Thr Phe Leu His Tyr  
50 55 60

192

gac tgt ggc agc aag aca gtc aca ccc gtc agt ccc ctg ggg aag aaa  
Asp Cys Gly Ser Lys Thr Val Thr Pro Val Ser Pro Leu Gln Lys Lys  
65 70 75 80

240

cta aat gtc aca acg gcc tgg aaa gca cag aac cca gta ctg aga gag  
Leu Asn Val Thr Ala Trp Lys Ala Gln Asn Pro Val Leu Arg Glu  
85 90 95

288

gtg gtg gac ata ctt aca gag caa ctg ctt gac att cag ctg gag aat  
Val Val Asp Ile Leu Thr Glu Gln Leu Leu Asp Ile Gln Leu Glu Asn  
100 105 110

336

tac ata ccc aag gaa ccc ctc acc ctg cag gcc agg atg tct tgt gag  
Tyr Ile Pro Lys Glu Pro Leu Thr Leu Gln Ala Arg Met Ser Cys Glu  
115 120 125

384

cag aaa gcc gaa gga cac ggc agt gga tct tgg cag ctc agt ttc gat  
Gln Lys Ala Glu Gly His Gly Ser Gly Ser Trp Gln Leu Ser Phe Asp

432

## 024455pcus\_ST25 (2).txt

130	135	140	
gga cag atc ttc ctc ctc ttt gac tca gaa aac aga atg tgg aca acg Gly Gln Ile Phe Leu Leu Phe Asp Ser Glu Asn Arg Met Trp Thr Thr	145	150	480
155	160		
gtt cat cct gga gcc aga aag atg aaa gaa aag tgg gag aat gac aag Val His Pro Gly Ala Arg Lys Met Lys Glu Lys Trp Glu Asn Asp Lys	165	170	528
175			
gat atg acc atg tcc ttc cat tac atc tca atg gga gac tgc aca gga Asp Met Thr Met Ser Phe His Tyr Ile Ser Met Gly Asp Cys Thr Gly	180	185	576
190			
tgg ctt gag gac ttc ttg atg ggc atg gac agc acc ctg gag cca agt Trp Leu Glu Asp Phe Leu Met Gly Met Asp Ser Thr Leu Glu Pro Ser	195	200	624
205			
gca gga ggc aca gtc tgacccaaag ccatggccac caccctcagt ccctgcagcc Ala Gly Gly Thr Val	210		679
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<212> PRT  
<213> Homo sapiens

<400> 2

Met Ala Ala Ala Ala Ser Pro Ala Phe Leu Leu Arg Leu Pro Leu Leu  
1 5 10 15

Leu Leu Leu Ser Ser Trp Cys Arg Thr Gly Leu Ala Asp Pro His Ser  
20 25 30

Leu Cys Tyr Asp Ile Thr Val Ile Pro Lys Phe Arg Pro Gly Pro Arg  
35 40 45

Trp Cys Ala Val Gln Gly Gln Val Asp Glu Lys Thr Phe Leu His Tyr  
50 55 60

Asp Cys Gly Ser Lys Thr Val Thr Pro Val Ser Pro Leu Gly Lys Lys  
65 70 75 80

Leu Asn Val Thr Thr Ala Trp Lys Ala Gln Asn Pro Val Leu Arg Glu  
85 90 95

Val Val Asp Ile Leu Thr Glu Gln Leu Leu Asp Ile Gln Leu Glu Asn  
100 105 110

Tyr Ile Pro Lys Glu Pro Leu Thr Leu Gln Ala Arg Met Ser Cys Glu  
115 120 125

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Gln Lys Ala Glu Gly His Gly Ser Gly Ser Trp Gln Leu Ser Phe Asp  
130 135 140

Gly Gln Ile Phe Leu Leu Phe Asp Ser Glu Asn Arg Met Trp Thr Thr  
145 150 155 160

Val His Pro Gly Ala Arg Lys Met Lys Glu Lys Trp Glu Asn Asp Lys  
165 170 175

Asp Met Thr Met Ser Phe His Tyr Ile Ser Met Gly Asp Cys Thr Gly  
180 185 190

Trp Leu Glu Asp Phe Leu Met Gly Met Asp Ser Thr Leu Glu Pro Ser  
195 200 205

Ala Gly Gly Thr Val  
210

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<220>  
<223> oligonucleotide

<400> 4  
gccaagcttg atgccaggga ggatgaagca 30

<210> 5  
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<210> 6  
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## 024455pcus\_ST25 (2).txt

<212> DNA  
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 gccaagctt atgccaggga ggatgaagca

30

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<220>  
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21

<210> 8  
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<400> 8  
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24

<210> 9  
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 cctaagttca gacctggacc acgggttgt gcggttcaag gccaggtgga tgaaaagact 180  
 tttcttcaact atgactgtgg cagcaagaca gtcacacccg tcagtcctt gggaaagaaa 240  
 ctaaatgtca caacggcctg gaaagcacag aacccagtac tgagagaggt ggtggacata 300  
 cttacagagc aactgcttga cattcagctg gagaattaca tacccaagga acccctcacc 360  
 ctgcaggcca ggatgtcttg tgaggcagaaa gccgaaggac acggcagtgg atcttggcag 420  
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 gttcatcctg gagccagaaa gatgaaagaa aagtgggaga atgacaagga tatgaccatg 540  
 tccttccatt acatctcaat gggagactgc acaggatggc ttgaggactt cttgatggc 600  
 atggacagca ccctggagcc aagtgcagga gcaccaccca ccatgtcctc aggcacagcc 660  
 caacccaggg ccacggccac caccctcatc cttgctgccc tcctcatcat gtgtctcctc 720

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742

<210> 10  
<211> 246  
<212> PRT  
<213> Homo sapiens

<400> 10

Met Ala Ala Ala Ala Ala Thr Lys Ile Leu Leu Cys Leu Pro Leu Leu  
1 5 10 15

Leu Leu Leu Ser Gly Trp Ser Arg Ala Gly Arg Ala Asp Pro His Ser  
20 25 30

Leu Cys Tyr Asp Ile Thr Val Ile Pro Lys Phe Arg Pro Gly Pro Arg  
35 40 45

Trp Cys Ala Val Gln Gly Gln Val Asp Glu Lys Thr Phe Leu His Tyr  
50 55 60

Asp Cys Gly Asn Lys Thr Val Thr Pro Val Ser Pro Leu Gly Lys Lys  
65 70 75 80

Leu Asn Val Thr Thr Ala Trp Lys Ala Gln Asn Pro Val Leu Arg Glu  
85 90 95

Val Val Asp Ile Leu Thr Glu Gln Leu Arg Asp Ile Gln Leu Glu Asn  
100 105 110

Tyr Thr Pro Lys Glu Pro Leu Thr Leu Gln Ala Arg Met Ser Cys Glu  
115 120 125

Gln Lys Ala Glu Gly His Ser Ser Gly Ser Trp Gln Phe Ser Phe Asp  
130 135 140

Gly Gln Ile Phe Leu Leu Phe Asp Ser Glu Lys Arg Met Trp Thr Thr  
145 150 155 160

Val His Pro Gly Ala Arg Lys Met Lys Glu Lys Trp Glu Asn Asp Lys  
165 170 175

Val Val Ala Met Ser Phe His Tyr Phe Ser Met Gly Asp Cys Ile Gly  
180 185 190

Trp Leu Glu Asp Phe Leu Met Gly Met Asp Ser Thr Leu Glu Pro Ser  
195 200 205

## 024455pcus\_ST25 (2).txt

Ala Gly Ala Pro Leu Ala Met Ser Ser Gly Thr Thr Gln Leu Arg Ala  
 210 215 220

Thr Ala Thr Thr Leu Ile Leu Cys Cys Leu Leu Ile Ile Leu Pro Cys  
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Phe Ile Leu Pro Gly Ile  
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 cctaagttca gacctggacc acgggtgggt gcgggtcaag gccaggtgga tgaaaagact 180  
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gttcatcctg gagccagaaa gatgaaagaa aagtgggaga atgacaagga tatgaccatg 540  
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atggacagca ccctggagcc aagtgcagga ggcacagtct ga 642